

MINISTRY OF THE INTERIOR, EGYPT

Department of Public Health

Ophthalmic Section

Twenty First Annual Report of the Ophthalmic Section, for 1933



Government Press, Cairo, 1935

GOVERNMENT PUBLICATIONS are on sale at the "Sale Room"
Ministry of Finance. Correspondence relating to these Publi-
cations should be addressed to the "PUBLICATIONS OFFICE"
Government Press, Bâlaq, Cairo.

Price - - - - - P.T. 10.'

Department of Public Health

Ophthalmic Section


Twenty First Annual Report
of the Ophthalmic Section,
for 1933



Government Press, Cairo, 1935.

GOVERNMENT PUBLICATIONS are on sale at the "Sale Room,"
Ministry of Finance. Correspondence relating to these Publi-
cations should be addressed to the "PUBLICATIONS OFFICE,"
Government Press, Bûlâq, Cairo.

Price - - - - - P.T. 10.



Digitized by the Internet Archive
in 2019 with funding from
Wellcome Library

<https://archive.org/details/b31497810>

Index of Ophthalmic Report for the Year 1933

FOREWORD.

PAGE

New Units	1
Ophthalmic Units decided in the Budget 1934-1935	1
Projects on the way of construction	1
Projects under consideration	2
Clinical Work	2
Blindness	2
Age of Patients	2
School Clinics	2
Expenditure	3
Accommodation	3
Post-graduate Course of Ophthalmology	3
Providing the Ophthalmic Hospitals with up-to-date Appliances	3
The 14th International Ophthalmological Congress at Madrid... ..	3
The Ophthalmological Society of Egypt	3
Interesting Cases in 1933	4

HOSPITAL STATISTICS.

TABLE

I.—Technical Work done at all Ophthalmic Hospitals	8
II.—List of Diseases	9
III.—Causes of Optic Atrophy	13
IV.—List of Operations	14
V.—Number of New Patients treated and Operations performed at all Ophthalmic Hospitals in 1933	16
VI.—Average Number of Operations per Month at all Ophthalmic Hospitals in 1933 ...	17
VII.—New Patients treated according to the Age at which they sought Treatment ...	18
VIII.—New Patients treated per Month	18
Temperature and Number of New Patients Treated	Diagram.
IX.—Average Temperature	19
X.—Synopsis of Work of all Ophthalmic Hospitals since 1930... ..	19
XI.—Causes of Blindness	20
XII.—Total Percentage of Blindness in one or both Eyes since 1930	21
XIII.—Blindness among Out-Patients since 1909	24
XIV.—Yearly Percentage of Blindness among Ophthalmic Hospital Patients since 1909	25
XV.—Primary Glaucoma	25
XVI.—Incidence of Primary Glaucoma since 1923	26
XVII.—Pathological Report	27
XVIII.—Wassermann Test	28
XIX.—Result of Examination for Diphtheria Specimens	28
XX.—Number of Beds at all Ophthalmic Hospitals	29
XXI.—Cost of Uniform Diets for the In-Patients of the Ophthalmic Hospitals during 1933, excluding Cost of Rations for Employés	30
XXII.—Sources of Provision of Ophthalmic Hospitals	31
XXIII.—Actual Expenditure 1933, General Administration	32
XXIV.—Actual Expenditure 1933, Government Ophthalmic Hospitals	32
XXV.—Actual Expenditure 1933, Government Ophthalmic Hospitals (per Unit)	33
XXVI.—Actual Expenditure 1933, Provincial Council Ophthalmic Hospitals (per Unit) ...	33
XXVII.—Comparison of the Cost of Maintenance of a Permanent Ophthalmic Hospital in 1914 and 1933	34

SCHOOL STATISTICS (SCHOOL SESSION, 1933-1934)

TABLE	PAGE.
I.—(a) Condition of Conjunctiva (Beginning of the Year)	36
(b) Condition of Conjunctiva (End of the Year)	37
II.—(a) Effect of Treatment on Serious Stages of Trachoma	38
(b) Stages of Trachoma at Beginning and End of School Year	38
III.—(a) Trachoma and its Relation to School Years... ..	39
(b) Comparison of Serious Stages of Trachoma I and II (Beginning of the Year)	40
IV.—Vision of All Pupils without Spectacles	40
V.—Spectacles ordered	41
VI.— Number of Pupils ordered Spectacles not greater in Strength than ± 6 Diopters and by their use got Good or Fair Vision	41
VII.—Condition of Cornea before Treatment	42
VIII.—Comparison of Corneal Opacity among Pupils of Tanta Primary School in the Years 1914-1915 and 1933-1934	42
Map showing Ophthalmic Units in Egypt	43

Annual Report of the Ophthalmic Section, 1933

Foreword

NEW UNITS

During this year, the following Ophthalmic Units were opened : a Travelling Ophthalmic Hospital belonging to the Government for Gharbia Province, two permanent Ophthalmic Hospitals belonging to Gharbia Provincial Council, one at Zifta and the other at Fowa instead of its Travelling Ophthalmic Hospital, and three Ophthalmic Branches in the following General Hospitals at Delingat, Saff and Edfou ; the number of the Ophthalmic Units reaching thereby 57 (of which 43 are permanent and 14 travelling). This number shows an increase of 5 Units over that of 1932 and 34 Units over that of 1923. They are shown in detail in table No. 22 (page 31).

It is worth mentioning that ophthalmic treatment in the Ophthalmic Branch at Berreim (Kom Hamada Dist.) is carried out in an old building endowed by the late Shourbagy Bey for this purpose ; but the Government, having found that this building requires great expenses from time to time for repairs and alterations, built a new hospital containing an Ophthalmic Branch at Kom Hamada to which the treatment will be removed from Berreim during 1934.

OPHTHALMIC UNITS PROVIDED FOR IN THE BUDGET OF 1934-1935

(1) *Ophthalmic Hospital at Samalout.*

The Government granted the annual expenditure of this hospital which is under construction. The hospital is expected to be taken over by this Department and treatment commenced before the end of 1934.

(2) *Ophthalmic Hospital at Edfina.*

This Hospital is being built by the Royal Wakfs and is expected to be taken over and work started during 1934. The Government granted its annual expenditure.

(3) *Four New Ophthalmic Branches at the following General Hospitals.*

Sherbin, Wasta, Simbillawein and Deirout. They are expected to be opened for work about the end of 1934.

PROJECTS ON THE WAY OF CONSTRUCTION

(1) *In-patients' Section at both Mahalla el Kubra and Kafr el Zayat Ophthalmic Hospitals.*

Gharbia Provincial Council decided to establish these two Sections at its expense and they are expected to be completed during 1934.

(2) *Ophthalmic Hospital at Kafr el Sheikh.*

Gharbia Provincial Council decided to establish this hospital at its expense and hand it over, after being built and equipped, to the Government to maintain it at its expense. The Ministry of Finance approved this and the State Buildings Department is preparing the necessary plans and estimates of the project.

PROJECTS UNDER CONSIDERATION.

1. Enlarging the Ophthalmic Section at Demerdash Hospital.
2. Enlarging the Ophthalmic Section at Alexandria Hospital.
3. Enlarging the Ophthalmic Hospitals at Fayoum, Benha, Assiut and Sohag.

The patients attending at the above Units have increased to such a degree that these units have become inadequate to meet the requirements of treatment. The Department is taking into consideration the question of enlarging them. These projects are still under investigation.

(4) *Establishing an Ophthalmic Hospital at Abal Wakf.*

This hospital is mentioned in the endowment of the late Aly Fahmy Kamel Bey and the Department is taking the necessary steps for obtaining the credits required for its building and equipment.

CLINICAL WORK.

The following table shows the clinical work done in 1933 as compared with that of 1932:

	1932	1933	Increase in 1933
			Per cent.
New Patients	714,551	825,304	15
In-patients	23,128	25,728	11
Operations	242,365	277,424	14
Out-patients attendances	5,711,654	6,677,911	17

BLINDNESS

The number of patients who were found blind in one or both eyes, excluding cataract cases causing blindness, was 54,218 or 6·4 per cent of all patients examined at the Ophthalmic Hospitals. By adding the cataract cases causing blindness, the percentage becomes 6·7.

The pathological causes of blindness are detailed in table No. XI where it is shown that acute ophthalmias form 80 per cent of all causes. The gonococcus is still the predominant factor of infection with acute ophthalmias—its percentage to total of microbes being 44 per cent.

AGE OF PATIENTS

Out of 825,304 new patients treated 48,178 or 5·84 per cent were under the age of one year, 270,300 or 32·75 per cent from one to fifteen years of age and 487,521 or 59·07 per cent from one to thirty years of age. This fact shows that the mass of people recognises the importance of seeking ophthalmic treatment for infants, children and youths.

SCHOOL CLINICS

Ophthalmic examination, inspection and treatment are, at present, carried out in 32 Primary Government Schools. Details of ophthalmic work in schools are given in a special section at the end of this report.

10,066 pupils were examined, of whom 98 per cent were found to be suffering from trachoma in its various stages. About 44 per cent of these were in the serious stages of the disease (trachoma I and II). As a result of ophthalmic treatment, the latter percentage fell to 22.

In this connection it is to be noted that through Government Schools, an accurate percentage showing to what extent trachoma is prevalent among pupils, can be obtained.

This is due to the fact that the examination and treatment are carried out in such schools regularly and permanently on pupils who are always under the supervision of treating doctors.

Pupils of both sexes of 38 other Primary Schools and Kuttabs belonging to the Provincial Councils in Markazes (Districts) where permanent or travelling ophthalmic hospitals exist received ophthalmic treatment at hospitals, *i.e.* an increase of eight institutes of education over that of the last year.

EXPENDITURE

The annual cost of maintenance during the year 1933, including the cost of administration and expense of ophthalmic clinics in Primary Schools, amounted to L.E. 83,630 as shown in the detailed tables appended to this report which are significant of proper economical management. The expense per day for an out-patient was 10·11 mills. The in-patient costs in addition about 21 mills. daily for food. The sources of provision of all Ophthalmic Units are shown in table XXII.

ACCOMMODATION

The number of beds reached 1,308, *i.e.* an increase of 98 beds over last year (of these 98 beds, 52 are of new units and 46 have been added to the old ones).

POST-GRADUATE COURSE OF OPHTHALMOLOGY

During April 1933 the number of Medical Officers who have undergone post-graduate course in Ophthalmology was 22, of these 14 were inspected in the preliminary clinical course and 5 of them passed.

During October their number was 25 of whom 12 were inspected in the preliminary clinical course and 7 of them passed ; 4 were inspected in the final clinical course and 3 of them passed. Those who failed for the first time were given another chance but those who failed for the second time were transferred to other branches of the Department.

PROVIDING THE OPHTHALMIC HOSPITALS WITH UP-TO-DATE APPLIANCES

The Department is taking special interest in providing the Ophthalmic Hospitals with up-to-date appliances according to the progress in Ophthalmic Science.

THE 14TH INTERNATIONAL OPHTHALMOLOGICAL CONGRESS IN MADRID

This Congress was held in April 1933 to which the Director of Ophthalmic Hospitals was delegated by the Government as its representative. He was authorised by the Government to invite the Congress to hold its next meeting in 1937 at Cairo. The invitation was accepted and the Egyptian Government was notified and is undertaking the necessary proceedings in this connection. The Government representative has submitted a detailed report of the work and decisions of the Congress.

THE OPHTHALMOLOGICAL SOCIETY OF EGYPT

The annual meeting of this society was held on Friday, March 23, 1934, at Giza Ophthalmic Laboratory. 85 members attended and most of these were of the Medical Officers of the Ophthalmic Hospitals. The following are the topics of the most important communications delivered in the meeting :—

1. A visit to the European Clinics.
2. A few hints on operations for the detachment of retina.
3. Modification of an old Procedure for treatment of totally detached Retinae.
4. The advantages of the Pyrometric electrode in operations for the detachment of retina.
5. Three cases of Neurofibromatosis (Phakomatosis of Recklinghausen).
6. The Pathology of Dacryocystitis.
7. On secondary follicular infections in old trachoma.

8. Avascular Keratitis.
9. Episcleritis and early tubercular Iridocyclitis with a comment on tuberculin treatment.
10. Subhyaloid exudation.
11. Filaria in the macula.
12. Contribution clinique à la pathogénèse des hémorragies pré-rétiniennes.
13. Trois cas de névrite optique dus à l'emploi de l'acétylarsan.
14. A record case of Myopia of 44 dioptries with description of some details.
15. Some preliminary notes on Ocular Leprosy in Egypt.
16. The treatment of Blepharitis with X-Ray.
17. An unusual case of Idiosyncrasy to yellow oxide and zinc sulphate ointments.
18. The incidence of malignant disease of the eye and its adnexa in Egypt.
19. Ophthalmomalacia.
20. Case of Herpes Zoster Ophthalmicus.

Interesting Cases in 1933.

A monthly list of interesting cases seen at the various units of the section is drawn up. About 591 cases have been recorded as interesting during 1933. The following list shows some such cases that are not frequently seen in every day's work in Egypt :—

1. Hyaline degeneration of conjunctiva.
2. Retinitis pigmentosa & consecutive optic atrophy.
3. Post-inflammatory epithelial cyst of limbus.
4. Detachment of retina (myopic).
5. Myopic choroiditis.
6. Pigmented naevus of caruncle.
7. Epithelioma of lacrymal sac.
8. Buphthalmos.
9. Haematoma of orbit in a fibrous cyst.
10. Basal cell carcinoma of orbit.
11. Spring catarrh palpebral and bulbar.
12. Epithelioma of limbus.
13. Traumatic mydriasis & subluxation of lens.
14. Ophthalmia neonatorum.
15. Chorio-retinitis & consecutive optic atrophy in a high myope, & glaucoma simplex cause pyorrhea.
16. Glaucoma simplex ; Rt. neuro-retinitis, Lt. optic neuritis cause pyorrhea.
17. Lt. Glaucoma chronic, Rt. optic neuritis (syphilitic).
18. Primary optic atrophy.
19. Episcleritis (rheumatic in origin).
20. Diabetic paralysis of Rt. 3rd nerve nuclear lesion (toxic nature).
21. Acute irido-cyclitis (syphilitic).
22. Proptosis (due to congenital smallness of orbit and Asymetry of face).
23. Pyramidal A.P.C. Falling in the anterior chamber.
24. Phthisis bulbi after cerebro spinal fever.
25. Membranous conj. negative for D.B.
26. Traumatic detachment of retina.
27. Pigmented naevus of limbus.
28. Cyst of caruncle.
29. Streptothrix of conjunctiva.

30. Fibroma of conjunctiva.
31. Fibroma of orbit.
32. Hysterical amaurosis.
33. Mixed tumour of the lacrymal gland endothelioma-fibroma.
34. Pigmented naevus of conjunctiva.
35. Trachomatous fibrosis and hyaline degeneration.
36. Interstitial keratitis.
37. Exfoliation of the capsule of the lens.
38. Exophthalmic goitre.
39. Glioma retinae.
40. Congenital coloboma of iris and choroid.
41. Vestige of pupillary membrane in the form of fine filaments attached to iris frill on opposite sides of pupil.
42. Lymphangioma of conjunctiva.
43. Mercury idiocyncrasy.
44. Central choroiditis myopic.
45. Diabetic retinitis.
46. Rt. Lamellar, Lt., Soft cataract.
47. Central senile guttate choroiditis in a diabetic patient.
48. Papilloma of the upper lid.
49. Post-neuritic optic atrophy (cause: due to anaemia from malaria and repeated hæmorrhage from piles and bilharzia).
50. Post-neuritic optic atrophy.
51. Gumma of right upper lid.
52. Hyalo amyloid degeneration of conjunctiva.
53. Embolism of central artery of the retina.
54. Epithelial retention cyst (Krause's gland),
55. Papilloma of limbus showing suspicious early malignancy.
56. Mooren's marginal ulcer.
57. Amyloid tumour of conjunctiva.
58. Chocked disc & hæmorrhage due to trauma.
59. Infected granuloma of conjunctiva.
60. Traumatic aniridia.
61. Lipo-dermoid of limbus.
62. Hyperplasia of conjunctiva.
63. Opaque nerve fibres.
64. Basodow's disease, consecutive ophthalmoplegia externa.
65. Acute orbital periostitis (leading to an abscess).
66. Albuminuric neuro-retinitis (due to acute parenchymatous nephritis).
67. Paralysis of facial nerve, syphilitic.
68. Lenticular nucleus in one eye only in a case of double soft cataract in a child 3 years old.
69. Neuro-retinitis (septic antrum).
70. Intra-ocular hæmorrhage (sub-retinal and into vitreous) after trauma.
71. Membranous conjunctivitis positive for Diphtheria.
72. Fly blown orbit.
73. Dermoid cyst of conjunctiva.
74. Paralytic ptosis syphilitic & primary optic atrophy.
75. Epithelial hyperplasia of lid.

76. Irido-cyclitis (cerebro-spinal meningitis).
77. Lipoma of conjunctiva.
78. Mixed cell sarcoma of orbit.
79. Choroidal atrophy & macular degeneration (syphilitic).
80. Primary optic atrophy ; disseminated sclerosis.
81. Cellulitis of the orbit.
82. Fibro-angioma of conjunctiva.
83. Dislocation of lens in A. C.
84. Juvenile glaucoma in myopic eyed.
85. Congenital punctate cataract.
86. Heterochromia iridis.
87. Dermoid tumour of limbus.
88. Dermoid cyst of orbit.
89. 3rd Nerve paralysis syphilitic.
90. -Microphthalmos & congenital coloboma of iris.
91. Melanotic sarcoma of lid.
92. Late infection after trephining operation.
93. Agyrosis of the deep layers of the cornea.
94. Tuberculous ulcer of tarsal conjunctiva.
95. Tubercular periostitis of orbit.
96. Traumatic rupture of choroid & a hole at macula.
97. Traumatic ophthalmoplegia totalis and primary optic atrophy.
98. Old disseminated choroiditis & consecutive optic atrophy.
99. Diabetic neuro-retinitis & arteric sclerotic fundus vessels.
100. Interstitial Keratitis (tubercular).
101. Frontal sinus mucocele.
102. Simple adenoma of lacrymal and sebaceous glands.
103. Lamellar cataract.
104. Congenital coloboma of iris, choroid and optic nerve.
105. Ascending optic atrophy and hemiplegia (through vascular embolism probably of Int. carotid)
106. Monocular myopia.
107. Epithelioma of limbus on a pterygium.
108. Retinitis proliferans.
109. Retinitis centrales due to septic teeth.
110. R. and L. Primary optic atrophy with paralysis of R. 3rd, 4th and 6th cranial nerves as well (cause trauma & a "fiss" at side of skull causing fractured base at region of decussation)
111. Iridocyclitis (R. frontal and R. maxillary sinuses full of pus).
112. Thrombosis of central veins.
113. Orbital cellulitis due to ethmoiditis.
114. Iridocyclitis (Von Pirquet's positive).
115. Lipoma of the conjunctiva.
116. Gumma of lid.
117. Rudimentary globe & cystic formation behind the lower lid.
118. Apparent Anophthalmos.
119. Pseudoglioma after iridocyclitis.
120. Epithelial plaque of the cornea.
121. Congenital partial ankyloblepharon in three members of the family & heterochromia iridis in one.

122. Ulcerating gumma of orbit.
123. Post-neuritic optic atrophy due to hydrocephalus.
124. Congenital coloboma of upper lids accompanied with dermoid tumours of cornea.
125. Basal meningitis affecting 2nd, 3rd, 4th, and 6th, cranial nerves specific.
126. Arterio-sclerotic retinitis, & lower temporal thrombo-phlebitis (albuminuric).
127. Osteoma of frontal sinus (proved by opn.).
128. Paralysis of sup. oblique.
129. Retro-bulbar neuritis (opaque maxillary and frontal sinuses).
130. Syphilitic keratitis profunda.
131. Hysterical amaurosis monocular.
132. Fuchs' coloboma in a myope.
133. Whooping cough & severe subconj. and subcutaneous haemorrhage and retinal haemorrhage.
134. Chronic cyclitis syphilitic.
135. Double papilloedema (hydrocephalus).
136. Epicanthus.
137. Senile atrophy of chorio-capillaries & sclerosis of choroidal vessels, cilioretinal artery present.
138. Acute suppurative adenitis.
139. Microphthalmos.
140. Keratitis & lagophthalmos (old facial paralysis).
141. Congenital Hemangioma of Upper lid.

TABLE I.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1933.

1.—IN-PATIENTS : TOTAL NUMBER	25,728
Number of diets issued	430,800
2. - OPERATIONS :—	
I. Major :—	
(a) Senile cataract	1,545
(b) Soft cataract	338
(c) Trichiasis or entropion	82,950
(d) Other operations	24,511
TOTAL	109,344
II. Minor (including mechanical treatment of trachoma)	168,080
GRAND TOTAL, major and minor operations	277,424
3.—OUT-PATIENTS :—	
I.—Incurable (1)	2,346
II.—Postponed	10,975
III.—Tickets issued, <i>i.e.</i> new cases	825,304
IV.—Old cases	5,839,286
V.—Visits made by patients to hospital for treatment (equal I+II+III+IV)	6,677,911
VI.—Average number of visits made to hospital by each patient under regular treatment (old cases + tickets issued) ÷ tickets issued. The factor of incurable cases is neglected	8.07
VII.—Discharges :	
(a) Cured	210,935
(b) Relieved	78,904
(c) Incurable (2)	1,650
(d) Spontaneously ceased to attend after having attended only once ...	129,915
(e) " " " " " more than once	225,061
VIII.—Trichiasis cases seen among new out-patients :—	
(a) No previous operation having been performed	59,670
(b) Previous operation performed unsuccessfully (not at an Ophthalmic Hospital, but probably by some charlatan)	7,703
IX.—Spectacles ordered	1,887
X.—Constant wash cases (number of days of treatment)	1,317,093
XI.—Ages of patients examined :	
Under one year	48,187
From 1 to 5 years	102,152
" 6 " 10 "	91,931
" 11 " 15 "	76,217
" 16 " 20 "	74,057
" 21 " 25 "	69,879
" 26 " 30 "	73,285
" 31 " 35 "	63,737
" 36 " 40 "	54,395
" 41 " 45 "	49,653
" 46 " 50 "	39,125
" 51 " 55 "	26,588
" 56 " 60 "	22,476
" 61 " 65 "	15,623
" 66 " 70 "	11,046
Over 70 years	6,953
TOTAL	825,304

N.B.—(1) Incurable cases do not receive tickets, but are recognized as soon as seen by the surgeon as both incurable and devoid of surgical interest.

(2) Incurable cases include those which are recognized as soon as seen by the surgeon as incurable but are given tickets for statistical or other purposes.

TABLE I.—WORK DONE AT ALL OPHTHALMIC HOSPITALS DURING 1933 (*continued*).

3.—OUT-PATIENTS (*contd.*):—

XII.—Origin of patients:

Patients from:

(a) Town in which hospital is situated	...	...	...	...	...	...	...	363,033
(b) Markaz in which hospital is situated	...	...	...	...	...	...	...	281,057
(c) Other Markazes of same Mudîriya	...	...	...	...	...	...	...	108,610
(d) Other Mudîriyas or Governorates	...	...	...	...	...	...	...	72,604
TOTAL								825,304

TABLE II.—LIST OF DISEASES.

Ametropia :—

Hypermetropia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,106
Myopia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,353
Astigmatism	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,401
Presbyopia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	334

Conjunctiva :—

Conjunctivitis, gonococcal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32,911
„ Morax-Axenfeld	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4,377
„ Koch-Weeks	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14,797
„ pneumococcal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,692
„ diphtheritic	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
„ membranous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	555
Other organisms or negative and unclassified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19,701
Trachoma I	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	60,755
„ IIa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	114,361
„ IIb'	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9,148
„ IIb''	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	248
„ IIc	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,677
„ III including post-trachomatous degeneration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	531,702
„ IV	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	42,598
Phlyctenule	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	30,100
Pterygium	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9,723
Pinguecula	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,699
Xerosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,730
Symblepharon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	438
Dermoid	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	48

Other conditions:

Argyrosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,255
Colloid and hyaline degeneration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	139
Hypertrophied caruncle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	273
Injuries (foreign bodies, burn, etc.)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	785
Cyst	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	182
Fibroma	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	17

Eyelids :—

Pediculus ciliaris	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,911
Trichiasis and entropion	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	80,869
Distichiasis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	465

761 2

TABLE III.—CAUSES OF OPTIC ATROPHY.

<i>Optic Atrophy :—</i>	
A. (1) Primary :	
The spinal diseases causing the condition are :	
G.P.I.	4
Tabes	3
Disseminated sclerosis	1
Lateral sclerosis	—
Spastic paraplegia	—
Lebers hereditary optic atrophy	—
Congenital optic atrophy	—
Unknown	15
It may also be caused by :	
Arterio-sclerosis	6
(2) Compression of the optic chiasma or of the optic nerve by a tumour or injury by a projectile or bony fracture may produce optic atrophy of a primary type	2
(3) Retro-bulbar neuritis :	
The acute form causes atrophy of the optic nerve, primary in type, not infrequently.	
The chronic form more rarely.	
Acute retro-bulbar neuritis. The causes are :	
(a) Sepsis (dental, periostitis, middle ear, accessory sinuses)... ..	3
(b) Acute fevers (including syphilis and rheumatism)	11
(c) Intoxications (alcohol, lead)	—
(d) Nervous diseases (disseminated sclerosis, acute myelitis)	—
Chronic retro-bulbar neuritis may be caused by tobacco, alcohol, diabetes, iodoform, opium, etc.	1
B. Post-neuritic :—	
The causes of optic neuritis, all of which may be followed by post-neuritic atrophy, are as follows :—	
(a) Sepsis (dental, periostitis, middle ear, accessory sinuses)... ..	13
(b) Acute fevers (including syphilis and rheumatism)	85
(c) Intoxications (kidney disease and diabetes, alcohol, felixmas)... ..	6
(d) Nervous diseases : Diss. sclerosis, G.P.I., epilepsy	1
(e) Anæmia	5
(f) Unknown	16
TOTAL (equal Optic Atrophy, Page 11) ...	
	172

TABLE IV.—LIST OF OPERATIONS.

Eyelids :—

For trichiasis and entropion :

Snellen's	68,448
Anagnostakis	57
Snellen-Anagnostakis	131
Canthoplasty	5,840
Grafting mucous membrane	8,112
Electrolysis (minor)	5,042
Excision of lash (minor)	1,798
Other operations	362

For ectropion :

Plastic	28
MacCallan's	—
Kenneth Scott's	2
Kuhnt's	11
Other operations	97
For ptosis	20
For symblepharon	42
For hordeolum and chalazion (minor)	4,176
Cyst removed	277
Wart excised (minor)	348
Restitching wounds (minor)	132
Opening abscesses (minor)	1,348
Various	162

Conjunctiva :—

For trachoma :

Expression or mechanical treatment (minor)	86,546
Combined excision of Heisrath	272
Post-trachomatous degeneration (minor)	63,388
Other operations } (minor)	530
} (major)	288
Pterygium	4,467

Cornea :—

Foreign body removed (minor)	1,582
Sæmisch's section	332
Cautery	233
Various	227

Iris :—

Iridectomy for adherent leucoma	5,614
„ visual	1,770
„ for glaucoma	1,719
„ preliminary for cataract	198
Cystoid cicatrix	26
Division of anterior synechia	36
Various	88

Lacrimal Sac :—

Excision	5,040
Various (minor)	3,190

TABLE V.—NUMBER OF NEW PATIENTS TREATED AND OPERATIONS PERFORMED
AT ALL OPHTHALMIC HOSPITALS DURING 1934.

HOSPITALS	NUMBER OF PATIENTS	HOSPITALS	NUMBER OF OPERATIONS
Rod el Farag	64,025	Rod el Farag	18,674
Gîza	51,418	Asyût	12,356
No. 1, T.O.H.	48,468	Tanta	11,765
Asyût	29,626	Gîza	11,750
Demerdash	26,225	Demerdash	9,294
Tanta	25,762	Sohâg	8,272
Bani Suef	23,501	Bani Suef	7,655
Port Said	22,000	No. 1, T.O.H.	7,367
Fikriya	20,854	Ashmûn	6,834
Minya	20,684	Faiyûm	6,823
Alexandria	20,209	No. 5, T.O.H.	6,727
Sohâg	19,242	Shibîn el Kôm	6,576
Faiyûm	18,130	No. 4, T.O.H.	5,824
Zagazîg	16,976	No. 6, T.O.H.	5,804
Shibîn el Kôm	16,784	Zagazîg	5,546
Mallawi	15,827	Banha	5,417
No. 11, T.O.H.	15,340	No. 11, T.O.H.	5,307
Damanhûr	15,106	Alexandria	5,281
Asyût, P.C., T.O.H.	15,080	Mansûra	5,275
Benha	14,537	Maghagha	5,237
Maghagha	14,514	No. 7, T.O.H.	4,930
Mahalla el Kubra	13,897	No. 10, T.O.H.	4,878
Mansûra	13,764	Mahalla el Kubra	4,816
No. 5, T.O.H.	13,425	Qena	4,804
No. 6, T.O.H.	13,196	Minya	4,796
Mit Ghamr	12,604	No. 9, T.O.H.	4,593
No. 9, T.O.H.	12,341	Mallawi	4,570
Suez	11,944	Asyût, P.C., T.O.H.	4,545
Matariya	11,668	No. 3, T.O.H.	4,498
Minûf	11,144	No. 2, T.O.H.	4,493
Ashmûn	10,674	Luxor	4,436
No. 7, T.O.H.	10,548	Mit Ghamr	4,306
Girga	10,487	El Fikriya	3,850
Qena	10,263	Fackous	3,675
Damietta	10,145	Daqahliya, P.C., T.O.H.	3,554
No. 2, T.O.H.	10,005	Suez	3,524
No. 4, T.O.H.	9,853	Matariya	3,502
Luxor	9,748	Esna	3,260
No. 10, T.O.H.	9,091	Port Said	3,200
No. 3, T.O.H.	9,003	Kafr el Zaiyât	3,188
Santa	8,893	Damietta	3,132
Disûk	8,856	Minûf	3,122
Taieba	8,372	Girga	3,049
Fackous	8,017	Damanhour	2,937
No. 8, T.O.H.	7,857	Santa	2,879
Daqahliya, P.C., T.O.H.	7,639	Disûk	2,834
Aswân	7,376	No. 8, T.O.H.	2,612
Kafr el Zaiyât	6,725	Taieba	2,569
Rasheed	6,378	Rasheed	2,466
Berraim	6,154	Barrim	2,205
Esna	5,848	Aswân	1,988
Fowa	4,679	Fowa	1,578
Gharbiya, P.C., T.O.H.	2,338	Gharbiya P.C., T.O.H.	1,285
Edfou	2,314	El Saff	910
El Saff	1,869	Delingat	815
No. 12, T.O.H.	1,576	Edfon	811
Delingat	1,210	No. 12, T.O.H.	738
Zifta	1,095	Zifta	292

Number of working months :—

	Months	Days		Months	Days
Zifta (opened on December 4th, 1933) ...	—	28	No. 7, T.O.H.	11	15
No. 12, T.O.H. (opened on Novembre 14th, 1933)	1	17	„ 11, T.O.H.	11	15
Edfou (opened on October 21st, 1933 ...	2	11	„ 4, T.O.H.	11	16
El Saff („ „ 17th, „ ...	2	15	„ 5, T.O.H.	11	16
Delingat (opened on October 14th, 1933)	2	18	„ 6, T.O.H.	11	16
Gharbia P.C., T.O.H. (Cancelled on March 20th, 1933)	2	19	„ 9, T.O.H.	11	16
Fowa (opened on June 27th, 1933) ...	6	4	„ 3, T.O.H.	11	17
Daqahlia P.C., T.O.H.	11	—	„ 10, T.O.H.	11	17
Asyût P.C., T.O.H.	11	5	„ 8, T.O.H.	11	18
			„ 2, T.O.H.	11	19
			Other Ophthalmic Hospitals ...	12	—

TABLE VI.—AVERAGE NUMBER OF OPERATIONS PER MONTH AT ALL
OPHTHALMIC HOSPITALS DURING 1933.

HOSPITALS.	MAJOR OPERATIONS No.	HOSPITALS.	MINOR OPERATIONS No.
Rod el Farag	627	Rod el Farag	846
Assiut	523	Tanta	598
Giza	424	Giza	555
Tanta	383	Assiut	507
Demerdash	375	Ashmun	454
Sohag	300	Bani Suef	430
No. 5, T.O.H.	288	Demerdash	400
No. 1, T.O.H.	232	Sohag	390
Mansoura	224	No. 1, T.O.H.	382
Gharbia P.C., T.O.H.	221	Fayoum... ..	351
Fayoum... ..	218	Shibin el Kom	345
Bani Suef	208	No. 4, T.O.H.	338
Zagazig	203	No. 6, T.O.H.	304
Shibin el Kom	203	Maghagha	304
No. 6, T.O.H.	200	Zifta	302
No. 11, T.O.H.	195	No. 5, T.O.H.	297
No. 12, T.O.H.	185	No. 10, T.O.H.	284
Zifta	185	Banha	284
No. 7, T.O.H.	173	No. 2, T.O.H.	279
Alexandria	173	No. 12, T.O.H.	276
No 4, T.O.H.	168	Alexandria	267
Banha	167	No. 11, T.O.H.	266
Qena	166	Gharbia P.C. T.O.H.	261
Mit Ghamr	162	No. 9, T.O.H.	260
Fikria	156	Mahalla el Kobra	260
Luxor	156	Zagazig... ..	259
Minia	151	Assiut P.C., T.O.H.	258
Assiut P.C., T.O.H.	149	No. 7, T.O.H.	256
Mallawi... ..	147	Suez	253
No. 3, T.O.H.	142	Minia	249
Mahalla Kobra	142	No. 3, T.O.H.	247
No. 9, T.O.H.	140	Qena	234
Edfou	138	Mallawi... ..	234
No. 10, T.O.H.	136	Mansoura	215
Fakous	136	Luxor	214
Maghagha	133	Daqahlia P.C., T.O.H.	214
Esna	123	Edfou	210
Ashmoun	115	Dillingat	199
Dilingat	114	Mit Ghamr	197
Kafr el Zayat	111	Mataria	187
Daqahlia P.C., T.O.H.	109	Damietta	175
Girga	108	Fackous... ..	170
No. 2, T.O.H.	106	Port Said	166
Mataria	105	Fikria	164
Damanhour	102	Minouf	163
Port Said	101	Fowa	163
Santa	100	Saff	158
No. 8, T.O.H.	99	Kafr el Zayat	154
Minuf	97	Esna	148
Dissouk	92	Gerga	146
Fowa	92	Dissouk	144
Saff	86	Damanhour	143
Damietta	86	Santa	140
Taieba	84	Taieba	130
Rosetta	80	No. 8, T.O.H.	126
Berreim... ..	75	Rosetta	126
Aswan	63	Berreim... ..	108
Snez	41	Aswan	103

TABLE VII.—NEW PATIENTS TREATED ACCORDING TO THE AGE
AT WHICH THEY SOUGHT TREATMENT.

AGE															No. of Patients	
Under one year															48,187	
From 1 to 5 years															102,152	
,, 6 to 10 ,,															91,931	
,, 11 to 15 ,,															76,217	
,, 16 to 20 ,,															74,057	
,, 21 to 25 ,,															69,879	
,, 26 to 30 ,,															73,285	
,, 31 to 35 ,,															63,737	
,, 36 to 40 ,,															54,395	
,, 41 to 45 ,,															49,653	
,, 46 to 50 ,,															39,125	
,, 51 to 55 ,,															26,588	
,, 56 to 60 ,,															22,476	
,, 61 to 65 ,,															15,623	
,, 66 to 70 ,,															11,046	
Over 70 years															6,953	
TOTAL															825,304	

TABLE VIII.—NEW PATIENTS TREATED PER MONTH.

MONTHS																		No. of Patients	
January																		24,652	
February																		41,727	
March																		47,681	
April																		52,513	
May																		83,236	
June																		90,674	
July																		100,616	
August																		99,198	
September																		84,278	
October																		75,620	
November																		73,619	
December																		51,490	
TOTAL																		825,304	

TABLE IX.—AVERAGE TEMPERATURE.

The average temperature was arrived at by taking one place in Lower Egypt (Gemeiza), one place in Cairo (Gîza), and one place in Upper Egypt (Asyût) and obtaining an average figure from the mean temperature at each place in each month. This is shown in the following table, the reading being in Centigrade degrees.

MONTHS	GEMEIZA	GÎZA	ASYÛT	AVERAGE
January	10·8	10·7	12·0	11·2
February	12·8	13·7	14·9	13·8
March	14·3	15·3	17·3	15·6
April... ..	16·0	16·7	19·6	17·4
May	21·8	22·8	26·6	23·7
June	25·8	27·4	30·5	27·9
July	25·7	26·3	28·3	26·8
August	25·5	26·0	21·8	26·4
September	23·2	23·0	25·2	23·8
October	19·9	20·3	22·0	20·7
November	19·3	19·6	21·1	20·0
December... ..	13·4	14·3	14·5	14·1

TABLE X.—SYNOPSIS OF WORK AT ALL OPHTHALMIC HOSPITALS SINCE 1930.

	1930	1931	1932	1933
<i>Hospitals in existence :—</i>				
Travelling	14	14	14	15
Permanent	32	35	38	43
New patients treated	526,406	634,088	714,551	825,304
Total attendances of out-patients	4,350,062	5,023,175	5,711,654	6,677,911
Operations performed... ..	209,662	220,823	242,365	276,424
In-patients	20,136	22,188	23,128	25,728
<i>Details :—</i>				
Patients examined	539,318	652,338	737,990	838,625
Patients regularly treated	526,406	634,088	714,551	825,304
Incurable cases	5,124	5,340	3,848	3,996
Blind in one eye	36,021	38,433	40,215	45,980
„ both eyes	9,513	8,489	10,740	10,870
Trichiasis cases examined	64,534	68,936	68,682	67,373
„ eyes operated on and cured	73,290	73,285	73,907	82,950

TABLE XI.—CAUSES OF BLINDNESS

A.—Congenital	6
B.—Acquired :—	
I.—Conjunctivitis resulting in :—	
(a) Total corneal opacity	17,665
(b) Shrunken globe	19,056
(c) Secondary glaucoma	10,015
(d) Other conditions	1,723
II.—Fundus :—	
(a) Optic atrophy	162
(b) Optic neuritis... ..	15
(c) Retinitis pigmentosa	42
(d) Detachment of retina	103
(e) Other diseases of fundus	236
III.—Glaucoma, primary :—	
(a) Monocular (including absolute 2,375)	3,370
(b) Binocular („ „ 1,106)	2,159
IV.—Injury	358
V.—Operation	47
VI.—Infectious diseases	27
VII.—Iritis endogenous	1,786
VIII.—Various	775
<hr/>	
Total excluding cataract cases	57,545
Cataract cases	2,632
<hr/>	
GRAND TOTAL	60,177

TABLE XII.—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES SINCE 1930.

	1930	1931	1932	1933
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
<i>Permanent Ophthalmic Hospitals :—</i>				
Tanta	5.79	4.56	4.33	4.13
Asyût	7.71	7.72	9.82	8.37
Mansûra	11.45	11.16	8.30	8.54
Bani Suef	11.74	11.42	12.10	11.60
Zagazîg	9.27	7.60	7.72	4.99
Damanhûr	6.86	6.72	6.89	6.59
Shibîn el Kôm	4.40	6.01	4.95	4.96
Sohâg	15.86	13.63	13.83	12.37
Minya	17.23	12.57	12.92	13.42
Faiyûm	10.09	9.90	9.60	9.26
Banha	9.19	7.63	6.30	4.46
Alexandria	4.52	4.85	5.04	4.49
Port Said	3.43	4.63	3.53	3.75
Qena... ..	14.69	7.18	5.97	8.78
Damietta	3.75	3.42	4.11	5.93
Gîza	6.73	5.52	5.45	5.46
Suez	4.72	4.97	4.23	4.18
Barrîm... ..	5.61	8.33	7.61	6.57
Mallawi	3.53	3.19	2.55	2.28
Mît Ghamr... ..	5.38	8.38	7.36	6.15
Maghagha	7.84	7.92	7.44	7.53
Fikrîya	6.27	5.02	4.11	4.45
Aswân	7.07	6.41	8.69	7.73
Rod el Farag	8.14	4.97	4.85	4.85
Taieba	5.40	3.94	4.67	4.68
Esna	14.63	10.14	9.72	8.17
Disûk	12.69	10.51	10.19	9.14
Demerdash... ..	—	3.86	3.84	3.32
Matarîya	—	4.50	3.99	3.61
Luxor... ..	—	3.46	11.26	15.16
Rasheed	—	—	7.33	7.44
Fakous	—	—	6.83	5.12
Girga	—	—	8.70	8.47
Mahalla el Kubra	7.13	6.56	5.68	4.88
Kafr el Zaiyât	5.08	5.17	5.21	5.84
Santa	4.54	3.93	3.90	4.43
Minûf	6.97	4.48	4.24	4.44
Ashmûn	8.11	7.67	7.29	6.59
Fowa	—	—	—	3.90
Delingat	—	—	—	15.87
Idfû	—	—	—	8.20
El Saff... ..	—	—	—	6.65
Zifta	—	—	—	6.48
<i>Travelling Ophthalmic Hospitals :</i>				
No. 1, Travelling :				
Abbassîa	10.57	—	—	—
Kalaa (Citadel)... ..	10.72	10.50	10.30	10.26
No. 2, Travelling :				
Kafr el Dawâr	6.54	—	—	—
Delingat	—	11.26	—	—
Abul Matamîr	—	16.80	15.39	—
Mahmoudia	—	—	8.26	7.34
Shoubrahit	—	—	—	14.16
No. 3, Travelling :				
Idfû	13.22	11.63	8.21	—
Kom Ombo... ..	14.02	7.44	6.04	5.93
Daraw	—	—	5.89	7.38

TABLE XII (*contd.*).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1930	1931	1932	1933
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
No. 4, Travelling :				
Abu Kebir	10·40	—	—	—
Fakous	10·08	8·03	—	—
Ismailîa	—	8·27	7·67	—
Bilbeis	—	—	9·49	8·56
Kafr Sakr	—	—	—	8 24
No. 5, Travelling :				
Girga	10·81	—	—	—
Tahta	12·05	13·82	—	—
Baliana... ..	—	11·19	9·98	12·65
Akhmîm	—	—	—	12·66
No. 6, Travelling :				
Quesna	9·88	7·29	—	—
Tala	—	9·05	7·39	—
Berket el Sab ^c	7·89	—	—	6·04
El Shouhada	—	—	4·06	7·96
No. 7, Travelling :				
Biba	6·49	7·42	—	—
Sinnouris	—	6·13	8·69	—
El Wasta	—	—	9·71	8·90
Abuksah	7·96	—	—	—
Meniet El Hait... ..	—	—	—	10·24
No. 8, Travelling :				
Samallut	8·99	8·84	8·37	5 93
El Fashn	—	—	—	6·20
Matay	10·17	—	—	—
Bani Mazar	—	8·63	7·37	—
No. 9, Travelling :				
Embaba	—	—	—	5·86
Ayat	6·50	7·49	—	—
El Saff	6·57	5·35	—	—
El Hawamdîya	—	2·93	6·38	—
Oseem	—	—	1·94	6·02
No. 10, Travelling :				
Nag ^c Hammadi... ..	—	11·03	6·94	8·36
Kous	—	—	—	—
Dishna	16·11	—	—	9·85
Luxor	13·60	17·65	—	—
No. 11, Travelling :				
Shebîn el Qanater	—	—	4·42	5·47
Toukh	7·50	4·22	—	—
El Kanater el Khairîya	—	5·10	6·44	—
Kaliub... ..	—	—	—	5·00

TABLE XII (*contd.*).—TOTAL PERCENTAGE OF BLINDNESS IN ONE OR BOTH EYES.

	1930	1931	1932	1933
	Per Cent.	Per Cent.	Per Cent.	Per Cent.
No. 12, Travelling :				
Kafr el Sheikh	—	—	—	3.54
Asyût Provincial Council :				
Manfalût	10.17	6.44	5.68	3.81
Dairût	9.50	—	1.33	2.90
Abnûb	—	9.88	—	—
Abu Tîg	—	9.07	—	—
Badâri	11.66	—	7.71	4.49
Deir Moas	10.07	9.40	—	—
Daqahlîya Provincial Council :				
Aga	6.82	6.79	4.38	5.65
Simbillâwein	—	7.17	4.90	—
Manzala	—	—	—	—
Diarb Nigm	7.63	—	—	7.17
Dikirnis	—	7.42	—	—
Fareskour	—	—	—	3.83
Gharbîya Provincial Council :				
Zifta	—	—	9.37	9.28
Shirbîn	—	—	6.25	—
Fowa	—	—	—	—
Basioun	5.90	—	—	—
Belkas	5.77	—	—	—
Kallîn	5.81	6.09	—	—
Kafr el Sheikh	—	5.74	6.08	—

N.B.—It is noticed in this table that the percentage of blindness varies in one hospital in different years. This is most probably due to several reasons, the important of which are : that the same blind patient might have visited the same hospital several times, that the patient might have visited several hospitals, that the surgeons of the same hospital are changed and also due to the amount of care exercised in booking these cases.

TABLE XIII.—BLINDNESS AMONG OUT-PATIENTS SINCE 1909.

YEAR.	TOTAL NUMBER OF PATIENTS EXAMINED.	ONE EYE INCLUDING CATARACT CASES.		BOTH EYES INCLUDING CATARACT CASES.		ONE EYE AND BOTH EYES INCLUDING CATARACT CASES.		ONE EYE EXCLUDING CATARACT CASES.		BOTH EYES EXCLUDING CATARACT CASES.		ONE EYE AND BOTH EYES EXCLUDING CATARACT CASES.	
		Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1909	...	2,116	9.4	1,385	6.1	3,501	15.6	—	—	—	—	—	—
1910	...	2,438	9.5	2,010	7.8	4,448	17.4	—	—	—	—	—	—
1911	...	3,196	10.2	2,811	8.9	6,007	19.2	—	—	—	—	—	—
1912	...	4,115	9.4	2,824	6.4	6,939	15.2	—	—	—	—	—	—
1913	...	5,361	8.6	3,878	6.2	9,238	14.8	—	—	—	—	—	—
1914	...	6,425	8.5	3,591	4.7	10,016	13.2	—	—	—	—	—	—
1915	...	5,637	7.8	2,992	4.2	8,629	12.0	—	—	—	—	—	—
1916	...	7,042	7.4	3,504	3.7	10,546	11.2	—	—	—	—	—	—
1917	...	9,385	9.3	4,611	4.6	13,996	13.9	—	—	—	—	—	—
1918	...	8,969	9.9	4,261	4.7	13,230	14.6	—	—	—	—	—	—
1919	...	8,537	10.2	4,278	5.1	12,815	15.3	—	—	—	—	—	—
1920	...	9,833	9.1	5,154	4.7	14,987	13.8	—	—	—	—	—	—
1921	...	10,566	8.3	5,053	3.9	15,619	12.2	—	—	—	—	—	—
1922	...	12,524	8.5	4,850	3.3	17,374	11.8	—	—	—	—	—	—
1923	...	14,394	8.3	5,146	2.9	19,540	11.2	—	—	—	—	—	—
1924	...	16,535	8.0	5,716	2.8	22,251	10.8	—	—	—	—	—	—
1925	...	19,422	7.9	6,137	2.5	25,559	10.4	—	—	—	—	—	—
1926	...	21,979	7.7	6,702	2.6	28,681	10.1	—	—	—	—	—	—
1927	...	26,591	7.4	8,689	2.4	35,280	9.8	—	—	—	—	—	—
1928	...	28,816	7.2	8,592	2.1	37,408	9.3	—	—	—	—	—	—
1929	...	21,893	6.6	8,697	2.8	40,590	8.4	—	—	—	—	—	—
1930	...	36,021	6.6	9,513	1.7	45,534	8.4	—	—	—	—	—	—
1931	...	38,433	5.9	9,489	1.4	47,922	7.3	—	—	—	—	—	—
1932	...	40,215	5.4	10,740	1.5	50,955	6.9	36,945	5.0	11,220	1.5	48,165	6.5
1933	...	45,980	5.4	10,870	1.3	56,850	6.7	44,025	5.2	10,193	1.2	54,218	6.4
TOTAL	...	416,422	6.9	141,493	2.3	557,915	9.2	—	—	—	—	—	—

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say, inability to count fingers held up at a distance of one meter.

TABLE XIV.—YEARLY PERCENTAGE OF BLINDNESS AMONG
OPHTHALMIC HOSPITAL PATIENTS SINCE 1909.

YEAR	Per Cent. of Blindness in one or both Eyes in- cluding cataract cases	Percentage of Blindness in one or both eyes excluding Cataract cases	YEAR	Per Cent. of Blindness in one or both Eyes in- cluding cataract cases	Percentage of Blindness in one or both eyes excluding Cataract cases
1909	15.6	—	1922	11.8	—
1910	17.4	—	1923	11.2	—
1911	19.2	—	1924	10.8	—
1912	15.2	—	1925	10.4	—
1913	14.8	—	1926	10.1	—
1914	13.2	—	1927	9.8	—
1915	12.0	—	1928	9.3	—
1916	11.2	—	1929	8.4	—
1917	13.9	—	1930	8.4	—
1918	14.6	—	1931	7.3	6.9
1919	15.3	—	1932	6.9	6.5
1920	13.8	—	1933	6.7	6.4
1921	12.2	—			

N.B.—The definition of blindness adopted here is that proposed by Trousseau, that is to say nability to count fingers held up at a distance of one meter.

TABLE XV.—PRIMARY GLAUCOMA.

Acute	102
Sub-acute	288
Chronic	6,223
TOTAL	6,613
Total number of patients examined	838,625
Per cent. of glaucoma cases	0.79
Per cent. of absolute glaucoma cases... ..	0.41
Operations :—	
Iridectomy	1,719
Trephine with iridectomy	1,332

* Including 3,481 absolute monocular and binocular

TABLE XVI.—INCIDENCE OF PRIMARY GLAUCOMA SINCE 1923.

Varieties	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933
Acute	25	47	30	32	56	37	53	50	82	36	102
Subacute	119	87	144	184	168	326	261	295	183	202	288
Chronic	2,872	2,977	3,087	3,401	3,916	4,320	5,050	6,380	5,552	6,276	6,223
TOTAL*	3,016	3,111	3,261	3,617	4,140	4,683	5,364	6,725	5,817	6,514	6,613
TOTAL number of patients examined	174,004	206,342	246,771	283,602	361,577	401,530	479,932	539,318	652,338	737,990	838,625
Per cent. of glaucoma cases	1.73	1.51	1.32	1.27	1.14	1.16	1.12	1.25	0.89	0.88	0.79
Per cent. of absolute glaucoma cases	1.23	0.77	0.68	0.76	0.68	0.68	0.62	0.70	0.53	0.55	0.41
Operations :											
Iridectomy	503	450	753	668	588	877	959	1,101	1,030	981	1,719
Trephining with iridectomy	643	908	991	1,073	954	1,190	1,196	1,144	1,093	1,107	1,332

* Including absolute monocular and binocular.

TABLE XVII.—PATHOLOGICAL REPORT.

(Kindly supplied by the Director of the Memorial Ophthalmic Laboratory, Gîza)

Tissues hardened, sections cut and examined microscopically during 1933.

<i>Lids :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
Tumours :																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	43
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	38
<i>Conjunctiva :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	54
Degeneration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	35
Tumours :																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	71
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
<i>Limbus :—</i>																		
Tumours :																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	18
<i>Cornea :—</i>																		
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Inflammation including ulceration	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
Tumours (Benign)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
<i>Sclerotic :—</i>																		
Wounds	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Iris and Ciliary Body :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5
<i>Lens :—</i>																		
Cataract	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Choroid :—</i>																		
Tumours (Malignant)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
<i>Retina :—</i>																		
Tumours (Malignant)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12
<i>Orbit :—</i>																		
Tumours :																		
Benign including cysts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Malignant	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
<i>Lacrimal Glands :—</i>																		
Tumours (Benign including cysts)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
<i>Lacrimal Sac :—</i>																		
Inflammation	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13

TABLE XX.—NUMBER OF BEDS AT ALL OPHTHALMIC HOSPITALS.

HOSPITALS										FIRST	SECOND	THIRD
No. 1 Travelling ...	...	...	...	...	...	...	...	...	...	—	—	30
„ 2 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 3 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 4 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 5 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 6 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 7 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 8 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 9 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 10 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 11 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
„ 12 „ ...	...	...	...	...	...	...	...	...	...	—	—	20
Tanta ...	...	...	...	...	...	...	...	...	...	—	—	43
Asyût ...	...	...	...	...	...	...	...	...	...	1	—	55
Mansûra ...	...	...	...	...	...	...	...	...	...	—	—	78
Bani Suef ...	...	...	...	...	...	...	...	...	...	—	—	56
Zagazîg ...	...	...	...	...	...	...	...	...	...	—	—	36
Damanhûr ...	...	...	...	...	...	...	...	...	...	—	—	31
Shibîn el Kôm ...	...	...	...	...	...	...	...	...	...	—	—	27
Sohâg ...	...	...	...	...	...	...	...	...	...	—	—	23
Minya ...	...	...	...	...	...	...	...	...	...	—	—	25
Faiyûm ...	...	...	...	...	...	...	...	...	...	—	—	10
Banha ...	...	...	...	...	...	...	...	...	...	—	—	24
Alexandria ...	...	...	...	...	...	...	...	...	...	—	—	45
Port Said ...	...	...	...	...	...	...	...	...	...	2	4	42
Qena ...	...	...	...	...	...	...	...	...	...	—	—	31
Damietta ...	...	...	...	...	...	...	...	...	...	—	—	35
Gîza ...	...	...	...	...	...	...	...	...	...	—	—	77
Mallawi ...	...	...	...	...	...	...	...	...	...	—	—	11
Suez ...	...	...	...	...	...	...	...	...	...	—	—	25
Mît Ghamr ...	...	...	...	...	...	...	...	...	...	—	—	12
Maghagha ...	...	...	...	...	...	...	...	...	...	—	—	15
Fikrîya ...	...	...	...	...	...	...	...	...	...	—	—	13
Aswân ...	...	...	...	...	...	...	...	...	...	—	—	23
Rod el Farag ...	...	...	...	...	...	...	...	...	...	2	4	100
Taieba ...	...	...	...	...	...	...	...	...	...	—	—	8
Esna ...	...	...	...	...	...	...	...	...	...	—	—	24
Disûk ...	...	...	...	...	...	...	...	...	...	—	—	12
Demerdash ...	...	...	...	...	...	...	...	...	...	—	—	16
Matarîya ...	...	...	...	...	...	...	...	...	...	—	—	23
Santa ...	...	...	...	...	...	...	...	...	...	—	—	10
Daqahliya Provincial Council Travelling Oph- thalmic Hospital ...	...	...	...	...	...	...	...	...	...	—	—	12
Luxor ...	...	...	...	...	...	...	...	...	...	—	—	25
Rasheed ...	...	...	...	...	...	...	...	...	...	—	—	10
Fakous ...	...	...	...	...	...	...	...	...	...	—	—	12
Girga ...	...	...	...	...	...	...	...	...	...	—	—	12
Ashmoun ...	...	...	...	...	...	...	...	...	...	—	—	12
Fowa ...	...	...	...	...	...	...	...	...	...	—	—	8
Saff ...	...	...	...	...	...	...	...	...	...	—	—	8
Dilingat ...	...	...	...	...	...	...	...	...	...	—	—	8
Edfou ...	...	...	...	...	...	...	...	...	...	—	—	8
TOTAL ...										5	8	1,295

TABLE XXI.—COST OF UNIFORM DIETS FOR THE IN-PATIENTS OF THE OPHTHALMIC HOSPITALS DURING 1933, EXCLUDING COST OF RATIONS FOR EMPLOYÉES.

HOSPITALS (1)	Number of Diets issued	Total Cost (2)	Cost per Head per Day
		L.E.	Mills.
No. 12 T.O.H.—Kafr el Sheikh	744	11	14·35
Beni Suef	18,998	324	17·08
Maghagha	5,068	83	17·61
Assiut	19,513	358	18·37
Mansoura	24,734	460	18·59
No. 8 T.O.H.—Samallout and Fashn	6,770	129	19·09
Tanta	15,694	302	19·23
Zagazig	12,724	332	19·71
Qena	10,816	214	19·75
Benha	8,272	164	19·81
Giza	25,854	519	20·07
No. 5 T.O.H.—Beliana and Akhmeem	6,590	134	20·36
No. 9 T.O.H.—Oseem and Embaba	6,695	138	20·58
Shebin el Kom	9,428	195	20·73
Minia	8,824	184	20·86
No. 6 T.O.H.—El Shouhada and Berkit el Saba	6,260	131	20·87
No. 1 T.O.H.—Citadel	10,417	220	21·13
Damanhour	10,080	220	21·87
Port Said	14,565	322	22·10
Fayoum	3,970	88	22·13
Rod el Farag	36,121	801	22·19
Sohag	8,795	197	22·42
No. 4 T.O.H.—Bilbeis and Kafr Sakr	5,749	130	22·57
No. 11 T.O.H.—Shebin el Kanater and Kaliub	6,169	145	23·48
No. 2 T.O.H.—Mahmoudia and Shoubrakheit	6,499	154	23·64
Mataria	7,802	186	23·87
No. 7 T.O.H.—Wasta and Miniet el Heit	8,095	200	24·72
Santa	3,124	78	24·93
No. 10 T.O.H.—Naga Hammadi and Dishna	6,331	159	25·17
Daqahlia Travelling, Aga, Faraskour and Diarb Nigm(3) ...	2,992	77	25·73
No. 3 T.O.H.—Daraw and Kom Ombo	6,325	176	27·91
Gharbia Travelling, Zifta	680	19	27·94
TOTAL... ..	324,688	6,856	21·11

(1) Excluding Ophthalmic Branches at General Hospitals.

(2) Fuel excluded.

(3) Diets were bought locally.

Scale of Full diet issued to all in-patients at all Ophthalmic Hospitals.

	Grammes
Bread	600
Beef	150
Vegetables	150
Lentils... ..	75
Rice	75
Milk	200
Native butter (<i>Samna Baladi</i>)	15
Sugar	30
Salt	20

TABLE XXII.—SOURCES OF PROVISION OF OPHTHALMIC HOSPITALS.

HOSPITALS	Date at which opened	Government Grant	Public Subscription or Private Charity	Grant of Provincial Councils or Municipalities
		L.E.	L.E.	L.E.
No. 1 Travelling retained at Cairo for provision of clinical facilities for teaching	1904	—	1,000	—
No. 2 Travelling	1905	—	1,000	—
Tanta	1908	8,463	—	—
Asyût	1911	8,817 and site	5,004	—
Mansûra	1912	—	5,000	—
Bani Suef	1912	—	4,000	—
Asyût Travelling	1912	—	—	720
Zagazîg	1913	—	—	4,288
Mahalla el Kubra... ..	1913	—	—	2,400
Kafr el Zaiyât	1913	—	—	2,200
Daqahlîya Travelling	1913	—	—	720
Damanhûr	1914	—	—	5,000
Shibîn el Kôm	1914	—	5,422	—
Sohâg	1914	960	4,000	—
Minya	1915	—	—	5,500
Santa	1915	—	—	2,600
Faiyûm	1916	Site	—	4,000
No. 3 Travelling	1918	—	—	1,500
Banha	1920	—	14,000	—
Alexandria (Oph. Branch) ...	1920	Annexed to	General Hospital	—
Port Said... ..	1921	18,620	—	1,000
Qena... ..	1923	—	12,400	2,800
Damietta (Oph. Branch) ...	1923	{ 1,000	240	—
"Fouad I" Oph. H., Gîza ...	1924	Annexed to	General Hospital	—
Suez (Oph. Branch)	1924	3,000 and site	8,668	600
No. 4 Travelling	1925	Annexed to	General Hospital	—
No. 5 "	1925	2,000	—	—
Menûf	1925	2,000	—	—
Ashmûn	1925	—	—	950
Memorial Ophthalmic Laboratory, Gîza	1925	—	—	950
Barrîm (Oph. Branch)... ..	1926	2,000	6,600	—
Mallawi (" ")	1926	Annexed to	General Hospital	—
No. 6 Travelling	1927	2,280	" " "	—
No. 7 "	1927	2,280	—	—
Mît Ghamr (Oph. Branch)...	1927	Annexed to	General Hospital	—
Gharbiya Travelling	1927	—	—	1,500
Maghagha	1927	—	1,000 and site	5,000
No. 8 Travelling	1928	2,500	—	—
No. 9 "	1928	2,500	—	—
No. 10 "	1928	2,500	—	—
Fikriya (Oph. Branch)... ..	1928	Annexed to	General Hospital	—
No. 11 Travelling	1928	2,500	—	—
Aswân (Oph. Branch)	1929	6,450	Annexed to General Hospital	—
"Princess Fawkiya" (Oph. Hosp.) Rod el Farag... ..	1929	25,000	—	—
Taieba (Oph. Branch)	1929	Annexed to	General Hospital	—
Esna (Oph. Branch)	1929	"	" "	—
Disûk (Oph. Branch)	1930	"	" "	—
Demerdash (Oph. Branch) ...	1931	"	" "	—
Luxor (Oph. Branch)	1931	"	" "	—
Matarîya	1931	11,000	—	Site
Rasheed (Oph. Branch)	1932	Annexed to	General Hospital	—
Fakous (" ")	1932	"	" "	—
Girga (" ")	1932	"	" "	—
Delingat (Oph. Branch)	1933	"	" "	—
Saff (Oph. Branch)	1933	"	" "	—
Edfou (Oph. Branch)	1933	"	" "	—
Zifta... ..	1933	—	{ Site, building and furniture }	—
No. 12 Travelling... ..	1933	2,500	—	—
Fowa	1933	—	—	1,380
TOTAL		106,370	68,334	43,108

TABLE XXIII.—ACTUAL EXPENDITURE 1933.—(A) GENERAL ADMINISTRATION.

CHAPTER	Expenditure
Pensionable Staff	5,631
Hors Cadre Staff	388
Transport, Transfer and Travelling Allowance	700
Telephones	—
Telegraphs	—
TOTAL	6,719

* Included in the general expenditure of the various units of the whole Department.

TABLE XXIV.—ACTUAL EXPENDITURE 1933.—(B) GOVERNMENT OPHTHALMIC HOSPITALS.

CHAPTER	Total Actual Expenditure
	L.E.
Pensionable Staff	27,196
Hors Cadre Staff	19,539
Transport, Transfer and Travelling Allowance	2,408
Food	8,725
Forage	53
Water	984
Light	487
Disposal of Sewage	78
Fuel	594
Rent	115
Telegrams and Telephones	175
Stores :—	
General Equipment	6,829
Surgical „	310
„ Instruments	835
Drugs	1,728
Dressings	715
Transport of Stores	484
Petty Expenses... ..	273
TOTAL	71,528 *

* Excluding repairs, being omitted as the credit is at the disposal of the Public Works Ministry.

TABLE XXVII.—COMPARISON OF THE COST OF MAINTENANCE OF A PERMANENT
OPHTHALMIC HOSPITAL IN 1914 AND 1933.

	Number	1914	TOTAL	Number	1933	TOTAL
		L.E.	L.E.		L.E.	L.E.
ART. 1.—Salaries, Wages, and Allowances :—						
A.—Pensionable Staff :						
Medical Officers	2	336	396	2	540	612
Clerk	1	60		1	72	
	3			3		
B.—Hors Cadre Staff :						
Moawin	1	48	276	1	60	378
Chief attendant	1	36		2	72	
Attendants (male)... ..	2	42		2	48	
(female)	2	36		2	36	
Cook	1	24		1	42	
Sai	1	18		1	24	
Gardener	—	—		1	24	
Boab	1	18		1	24	
Subordinate staff	3	54		2	48	
	12			13		
C.—Allowances... ..		72	72	—	—	
ART. 2.—Transport, Transfer and Travelling Allowance :—						
Transport	}	50	50	85	85	
Transfer						
Travelling allowance... ..						
ART. 3.—Food						
			139		281	
ART. 5.—Rent, Water, Lighting, etc. :—						
Water		30	102		69	155
Lighting... ..		40			50	
Fuel... ..		20			36	
Sewage		12			—	
ART. 6.—Books and Periodicals						
			1		— *	
ART. 7.—Telegrams and Telephones :—						
Telegrams	}	9	9	10	10	
Telephones						
ART. 8.—Petty Expenses						
			12		8	
ART. 11.—Stores						
			300		331	
TOTAL			1,357		1,860	

* No special Grant for Ophthalmic Hospitals but the Grants are for the whole Department.

Statistics of Ophthalmic Treatment in Schools, 1933-1934

Ophthalmic treatment has been carried out at the primary Government schools of Tanta, Asyût, Mansûra, Beni Suef, Zagazîg, Damanhûr, Shibîn el Kôm, Suhâg, Minya, Faiyûm, Gîza, Benha, (Moharram Bey and Râs el Tîn at Alexandria), (Abbâssîya, Mohammad Aly, Munîra, Mohammadiya, Gamaliya, Abbas, Bab el Shaariya, Shubra, Abdîn, Kerabiya, Nasriya and Nahhassîn at Cairo), Qena, Port Said, Damietta, Suez, Aswân and Esna.

TABLE I (a).—CONDITION OF CONJUNCTIVA (Beginning of the Year).

SCHOOLS	No Trachoma	TRACHOMA				TOTAL
		I.	II.	III.	IV.	
Tanta	17	93	27	52	138	327
Per cent	5·20	28·44	8·26	15·90	42·20	
Asyût	—	200	90	41	12	343
Per cent	—	58·31	26·24	11·95	3·50	
Mansûra	5	79	26	66	288	464
Per cent	1·08	17·02	5·61	14·22	62·07	
Bani Suef	21	4	62	49	163	299
Per cent	7·02	1·34	20·73	16·39	54·51	
Zagazîg	17	14	48	47	171	297
Per cent	5·72	4·71	16·16	15·83	57·57	
Damanhûr	6	63	42	95	59	265
Per cent	2·30	23·77	15·85	35·85	22·22	
Shibîn el Kôm	3	85	127	94	82	391
Per cent	0·77	21·73	32·48	24·04	20·97	
Sohâg	10	59	27	73	78	247
Per cent	4·05	23·88	10·93	29·55	31·58	
Minya	—	45	22	30	50	147
Per cent	—	30·61	14·97	20·41	34·01	
Faiyûm	6	46	63	40	47	202
Per cent	2·97	22·77	31·19	19·80	23·27	
Gîza	—	87	12	114	137	350
Per cent	—	21·86	3·43	32·57	39·14	
Banha	2	22	33	21	60	138
Per cent	1·45	15·94	23·91	15·22	43·48	
Moharram Bey	—	24	18	16	111	169
Per cent	—	14·20	10·65	9·47	65·68	
Râs el Tin	2	19	57	45	331	454
Per cent	0·44	4·18	12·55	9·91	72·91	
Abbâssiya	11	79	130	51	213	484
Per cent	2·27	16·32	26·85	10·54	44·01	
Mohammad Aly	7	99	56	169	157	488
Per cent	1·43	20·29	11·47	34·63	32·17	
Abbâs	—	302	99	47	35	483
Per cent	—	62·52	20·50	9·73	7·25	
Shubra	19	278	86	182	139	704
Per cent	2·70	39·49	12·21	25·85	19·74	
Bab el Shaariya	4	62	46	80	71	263
Per cent	1·52	23·57	17·49	30·42	27·00	
Gamaliya	—	6	51	71	140	268
Per cent	—	2·24	19·03	26·49	52·24	
Nahhassîn	—	10	32	71	91	204
Per cent	—	4·90	15·69	34·80	44·61	
Nasriya	—	94	9	16	7	126
Per cent	—	74·60	7·14	12·70	5·55	
Munîra	12	266	23	46	82	429
Per cent	2·80	62·00	5·36	10·72	19·11	
Abdîn	11	146	17	54	197	425
Per cent	2·59	34·35	4·00	12·70	46·35	
Qerabiya	—	157	33	105	43	338
Per cent	—	46·45	9·76	31·06	12·72	
Mohammadiya	9	174	73	121	99	476
Per cent	1·89	36·55	15·34	25·42	20·80	
Port Said	5	150	28	50	101	334
Per cent	1·50	44·91	8·38	14·97	30·24	
Qena	3	20	36	36	71	166
Per cent	1·81	12·05	21·68	21·68	42·77	
Damietta	9	138	18	25	72	262
Per cent	3·43	52·67	6·87	9·54	27·48	
Suez	3	37	22	66	102	230
Per cent	1·30	16·09	9·56	28·70	44·35	
Aswân	—	27	20	49	26	122
Per cent	—	22·13	16·39	40·16	21·31	
Esna	7	30	41	57	36	171
Per cent	4·09	17·54	23·98	33·33	21·05	
TOTAL	189	2,915	1,464	2,079	3,419	10,066
Per cent	1·88	28·96	14·54	20·65	33·96	

TABLE I (b).—CONDITION OF CONJUNCTIVA (End of the Year).

SCHOOL	No Trachoma	Non-tracho- matous ConJ- unctivitis	TRACHOMA				TOTAL
			I.	II.	III.	IV.	
Tanta	14	—	91	8	72	143	328
Per cent	4·27	—	27·74	2·44	21·95	43·60	
Asyût	—	—	151	19	154	19	343
Per cent	—	—	44·02	5·54	44·89	5·54	
Mansûra	5	—	70	11	66	289	441
Per cent	1·13	—	15·87	2·49	14·97	65·53	
Bani Suef	21	—	4	62	49	163	299
Per cent	7·02	—	1·34	20·74	16·39	54·51	
Zagazîg	15	—	—	—	88	165	268
Per cent	5·59	—	—	—	32·84	61·57	
Damanhûr	5	—	81	2	115	43	246
Per cent	2·03	—	32·93	0·81	46·75	17·48	
Shibîn el Kôm	2	—	2	3	225	147	379
Per cent	0·53	—	0·53	0·79	59·37	38·78	
Sohâg	8	—	23	—	118	86	235
Per cent	3·40	—	9·79	—	50·21	36·59	
Minya... ..	—	—	3	—	46	98	147
Per cent	—	—	2·04	—	31·29	66·67	
Faiyûm	1	—	22	8	85	80	196
Per cent	0·51	—	11·22	4·08	43·37	40·82	
Gîza	—	—	45	—	135	159	339
Per cent	—	—	13·27	—	39·82	46·90	
Banha	1	—	8	10	46	66	131
Per cent	0·76	—	6·11	7·63	35·11	50·38	
Moharram Bey... ..	—	—	14	5	35	114	168
Per cent	—	—	8·33	2·98	20·83	67·86	
Râs el Tîn	3	—	19	7	45	371	445
Per cent	0·67	—	4·27	1·57	10·11	83·37	
Abbâssiya	11	—	32	1	172	259	475
Per cent	2·31	—	6·74	0·21	36·21	54·53	
Mohammad Aly	7	—	47	10	202	196	462
Per cent	1·52	—	10·17	2·16	43·72	42·42	
Abbâs	—	—	351	3	81	41	476
Per cent	—	—	73·74	0·63	17·02	8·61	
Shubra	20	—	78	38	366	165	667
Per cent	3·00	—	11·69	5·70	54·87	24·74	
Bab el Shaarîya... ..	5	—	55	11	112	72	255
Per cent	1·96	—	21·57	4·31	43·92	28·23	
Gamaliya	—	—	—	—	96	172	268
Per cent	—	—	—	—	35·82	64·18	
Nahhassîn	—	—	—	—	35	169	204
Per cent	—	—	—	—	17·16	82·84	
Nasriya	—	—	87	—	20	10	117
Per cent	—	—	74·36	—	17·09	8·55	
Munîra	11	—	267	7	48	94	427
Per cent	2·58	—	62·53	1·64	11·24	22·01	
Abdîn	11	—	135	3	53	207	409
Per cent	2·69	—	33·01	0·73	12·96	50·61	
Qerabiya	—	—	50	2	117	130	299
Per cent	—	—	16·72	0·67	39·13	43·48	
Mohammadiya	8	—	90	—	178	190	466
Per cent	1·72	—	19·31	—	38·20	40·77	
Port Said	5	1	153	—	65	108	332
Per cent	1·51	0·30	46·08	—	19·58	32·53	
Qena	3	—	4	—	84	72	163
Per cent	1·84	—	2·45	—	51·53	44·17	
Damietta	7	—	33	—	46	165	251
Per cent	2·79	—	13·15	—	18·32	65·74	
Suez	3	—	—	—	120	98	221
Per cent	1·36	—	—	—	54·30	44·34	
Asswân	—	—	19	—	58	40	117
Per cent	—	—	16·24	—	49·57	34·19	
Esna	7	—	11	3	99	49	169
Per cent	4·14	—	6·51	1·77	58·58	28·99	
TOTAL	173	1	19,45	213	3,231	4,180	9,743
Per cent	1·77	0·01	19·96	2·19	33·16	42·90	

TABLE II (a).—EFFECT OF TREATMENT ON SERIOUS STAGES OF TRACHOMA.

YEAR.	BEGINNING OF THE YEAR			END OF THE YEAR	
	Pupils with any Stage of Trachoma	Pupils with serious Stages of Trachoma I and II		Pupils with serious Stages of Trachoma I and II	
	No.	No.	Per Cent	No.	Per Cent
1907-1908	464	289	62·3	—	—
1914-1915	1,553	342	22·0	61	4·0
1916-1917	1,528	327	21·4	48	3·0
1917-1918	1,699	282	16·6	71	4·2
1919-1920	2,454	410	16·7	201	8·2
1920-1921	3,363	643	19·1	290	8·6
1921-1922	5,036	1,369	27·2	580	11·5
1922-1923	6,140	1,982	32·3	892	14·5
1923-1924	6,820	2,115	31·0	835	12·2
1924-1925	7,107	2,442	34·4	722	10·2
1925-1926	7,337	1,865	25·4	374	5·1
1926-1927	9,053	2,160	23·9	582	6·4
1927-1928	12,057	2,819	23·4	830	6·9
1928-1929	11,319	2,624	23·2	722	6·4
1929-1930	11,223	2,397	30·2	919	8·4
1930-1931	10,793	2,893	26·8	877	8·1
1931-1932	10,707	4,576	42·7	1,750	16·3
1932-1933	10,331	4,034	39·1	2,090	20·2
1933-1934	9,877	4,379	44·3	2,168	21·9

TABLE II (b).—STAGES OF TRACHOMA AT BEGINNING AND END OF SCHOOL YEAR.

STAGES OF TRACHOMA						BEGINNING OF THE YEAR		END OF THE YEAR	
						No.	Per Cent	No.	Per Cent
Trachoma	I	...	...	...	...	2,915	29·51	1,945	20·33
„	II	...	...	...	...	1,464	14·82	213	2·22
„	III	...	...	...	...	2,079	21·05	3,231	33·76
„	IV	...	...	...	...	3,419	34·61	4,180	43·68

TABLE III a.—TRACHOMA AND ITS RELATION TO SCHOOL YEARS (Beginning of the Year).

SCHOOLS	1ST YEAR				2ND YEAR				3RD YEAR				4TH YEAR			
	Trachoma				Trachoma				Trachoma				Trachoma			
	No Trachoma	I	II.	III.	IV.	No Trachoma	I.	II.	III.	IV.	No Trachoma	I.	II.	III.	IV.	No Trachoma
Tanta ...	3	27	6	6	24	5	23	6	10	23	4	25	4	24	31	5
Asyût ...	—	41	23	2	—	—	62	16	4	1	—	36	25	15	2	—
Mansûra ...	2	25	9	10	40	1	23	6	17	63	2	15	6	19	111	—
Bani Suef ...	11	2	15	12	34	4	—	11	10	39	3	1	19	15	41	3
Zagazig ...	4	6	17	13	16	5	3	14	12	32	2	5	8	8	68	6
Damanhûr ...	1	22	11	16	9	4	15	7	27	13	—	17	13	20	23	1
Shibîn el Kôm ...	1	32	39	19	16	—	34	30	19	12	—	15	40	26	34	2
Sohâg ...	2	20	13	7	7	4	19	5	17	22	2	13	5	30	23	2
Minya ...	—	14	7	1	4	—	2	3	7	15	—	20	8	10	12	—
Faiyûm ...	1	16	18	5	4	1	14	17	7	7	3	12	17	15	21	1
Gîza ...	—	30	4	25	26	—	25	—	19	35	—	22	7	43	40	—
Banha ...	—	11	9	1	7	1	4	9	2	17	1	5	6	9	19	—
Moharram Bey ...	—	12	6	4	35	—	1	2	1	25	—	10	4	7	35	—
Râs el Tîn ...	—	6	16	9	77	—	7	15	8	93	1	4	14	14	100	—
Abbâssiya ...	11	34	50	7	32	—	20	33	8	58	—	15	21	12	58	—
Mohammad Aly ...	2	39	22	29	34	2	35	20	42	45	2	15	5	62	47	1
Abbas ...	—	78	37	4	5	—	83	33	5	1	—	96	20	21	6	—
Shubra ...	7	91	32	53	8	4	66	27	48	24	3	77	17	54	60	—
Bab el Shaariya ...	2	28	18	9	10	—	19	11	18	15	1	12	10	33	26	—
Gamâliya ...	—	4	22	11	38	—	1	9	20	31	—	—	16	17	52	—
Nahbassin ...	—	8	10	6	28	—	—	8	25	19	—	1	10	17	27	—
Nasriya ...	—	32	2	1	2	—	—	2	1	2	—	23	2	6	2	—
Munira ...	6	77	12	7	7	2	75	5	12	11	2	73	2	21	29	2
Abdîn ...	5	54	5	11	27	1	52	7	17	51	3	23	5	21	77	2
Qerabiya ...	—	50	11	13	7	—	35	5	21	17	—	42	11	32	12	—
Mohammadiya ...	2	62	32	29	6	2	42	11	25	24	4	51	16	38	40	1
Port Said ...	1	64	5	6	12	—	42	12	11	11	2	30	7	19	39	2
Qena ...	2	9	15	7	14	1	4	7	9	17	—	5	7	13	26	—
Damietta ...	4	47	9	4	5	3	30	5	8	17	2	39	3	7	30	—
Suez ...	—	31	5	4	6	3	4	9	19	19	—	1	4	21	44	—
Asswân ...	—	10	6	10	5	—	9	9	12	7	—	6	3	16	10	—
Esna ...	6	14	18	6	7	1	7	8	10	5	—	5	12	26	14	—
TOTAL ...	74	996	504	347	552	44	771	362	471	771	37	714	347	692	1159	34
												434	261	569	927	

TABLE III (b).—COMPARISON OF SERIOUS STAGES OF TRACHOMA I and II (Beginning of the Year).

CLASS	Total Number of Pupils	Total Number of serious Stages of Tra- choma I and II	Per Cent
First Year	2,473	1,500	60·65
Second Year	2,419	1,133	46·84
Third Year... ..	2,949	1,061	35·98
Fourth Year	2,225	695	31·23

TABLE IV.—VISION OF ALL PUPILS WITHOUT SPECTACLES.

	TOTAL	GRAND TOTAL	Per Cent
<i>Good Vision :—</i>			
(a) Normal vision in each eye 6/6 and 6/6	1,938	5,552	55·15
(b) Vision 6/6 and 6/9, or 6/9 and 6/9	3,624		
<i>Fair Vision :—</i>			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12	2,072	2,223	22·08
(b) Vision 6/6 and 6/18	151		
<i>Bad Vision :—</i>			
Fails to attain any of the above standards	2,291	2,291	22·76
TOTAL	10,066	10,066	

TABLE V.—SPECTACLES ORDERED.

Schools	Number of pupils now attending ob- tained spectacles in previous years	Number of pupils now attending obtained spectacles this year	Number of pupils now attending ordered spectacles but not yet obtained	Total	Spectacles on order or under repair	Number of pupils wearing spectacles on date of final inspection	Net number not wearing spectacles which were pre- viously ordered
Tanta	13	7	—	20	—	20	—
Assiut	19	2	—	21	—	21	—
Mansoura	11	3	—	14	—	14	—
Beni Suef	8	—	—	8	—	6	2
Zagazig	7	2	1	10	1	7	2
Damanhûr	5	2	—	7	—	7	—
Shebin el Kom	12	15	5	32	5	27	—
Sohag	8	8	—	16	—	16	—
Minia	7	—	—	7	—	7	—
Faiyûm	8	3	—	11	—	11	—
Giza... ..	12	3	—	15	—	15	—
Benha	6	—	—	6	1	5	—
Moharram Bey	6	—	—	6	—	3	3
Ras el Tin	13	4	—	17	—	15	2
Abbassia	13	5	—	18	—	18	—
Mohammed Ali	5	6	—	11	—	11	—
Mounira	6	2	—	8	—	8	—
Mohammadia	21	6	—	27	—	24	3
Gamalia	6	5	—	11	—	7	4
Nahhassin	8	2	—	10	—	10	—
Abbass	18	10	—	28	—	28	—
Bab el Shaaria	6	8	—	14	—	14	—
Shoubra	27	4	—	31	—	31	—
Abdin	12	2	—	14	—	14	—
Qerabia	27	1	—	28	—	28	—
Nasria	6	1	1	8	1	7	—
Qena	6	2	—	8	—	8	—
Port Said	17	5	—	22	—	21	1
Damietta	8	2	—	10	—	9	1
Suez... ..	3	4	—	7	—	7	—
Aswân	7	1	—	8	—	3	5
Esna	3	2	—	5	—	5	—
TOTAL	334	117	7	458	8	427	23

TABLE VI.—NUMBER OF PUPILS ORDERED SPECTACLES NOT GREATER IN STRENGTH THAN ± 6 DIOPTERS AND BY THEIR USE GOT GOOD OR FAIR VISION.

	TOTAL	GRAND TOTAL	Per Cent*
<i>Good Vision :—</i>			
(a) Normal vision in each eye 6/6 and 6/6	56		
(b) Vision 6/6 and 6/9, or 6/9 and 6/9	99		
		195	42·58
<i>Fair Vision :—</i>			
(a) Vision 6/6 and 6/12, or 6/9 and 6/12, or 6/12 and 6/12... ..	101		
(b) Vision 6/6 and 6/18	13		
		114	24·89

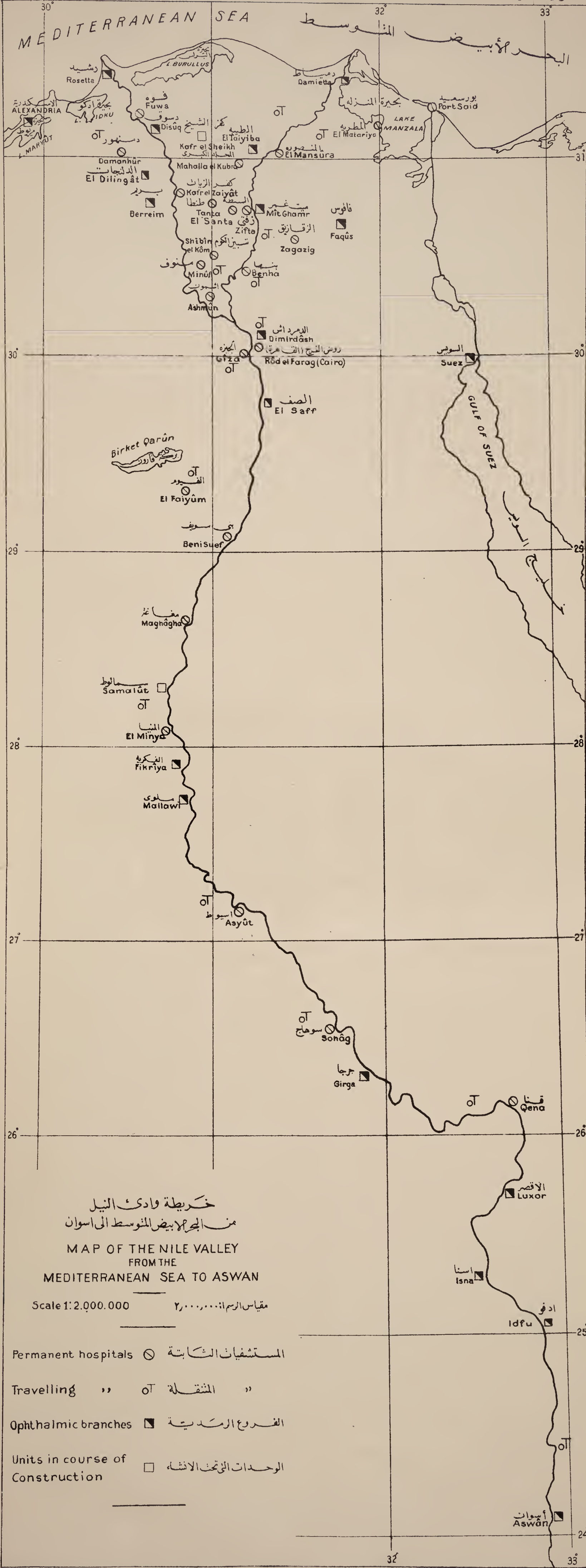
* The percentage is taken in relation to the number of all pupils to whom spectacles were ordered (i.e. 458) See table V.

TABLE VII.—CONDITION OF CORNEA BEFORE TREATMENT.

SCHOOLS	Both Corneas clear	One Cornea clear the other showing Opacity	Opacity of both Corneas
Tanta	305	19	3
Asyût	322	13	8
Mansûra	443	17	4
Bani Suef	285	7	7
Zagazîg	272	12	13
Damanhûr	261	4	—
Shibîn el Kôm	354	18	19
Sohâg	211	22	14
Minya	142	5	—
Fayûm	182	10	10
Gîza	343	7	—
Banha	123	7	8
Moharram Bey	167	1	1
Râs el Tîn... ..	445	9	—
Abbassîya	466	13	5
Mohammad Aly	452	30	6
Abbâs	456	19	8
Shubra	697	7	—
Bab el Shaaria	243	14	6
Gamâliya	255	10	3
Nahhassîn	190	8	6
Nasrîya	124	1	1
Munîra	418	8	3
Abdîn	400	23	2
Qerabîya	316	16	6
Mohammadiya	461	13	2
Port Said	329	4	1
Qena	138	10	18
Damietta	248	13	1
Suez	222	6	2
Asswân	113	6	3
Esna	144	12	15
TOTAL	9,527	364	175
Per cent	94.64	3.62	1.74

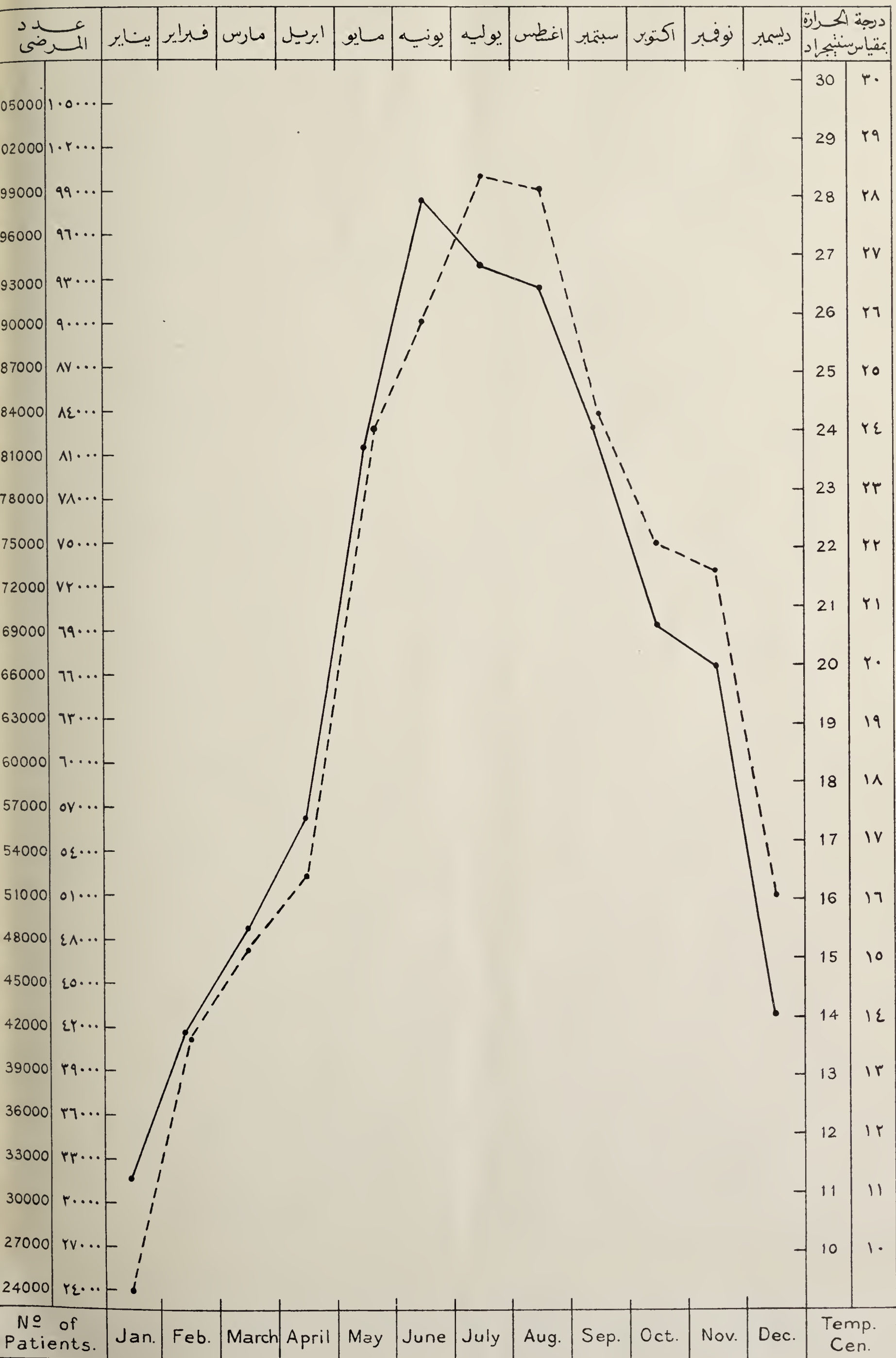
TABLE VIII.—COMPARISON OF CORNEAL OPACITY AMONG PUPILS OF TANTA PRIMARY SCHOOL IN THE YEARS 1914-1915 AND 1933-1934.

YEAR	Both Corneas Clear	One Cornea Clear, the other showing Opacity	Opacity of both Corneas
1914-1915	173	54	33
1933-1934	305	19	3



الطقس وعدد المرضى الذين عولجوا

TEMPERATURE AND NUMBER OF NEW PATIENTS TREATED



Average Temperature in Degrees Cen. ————— درجة الحرارة بمقياس سنجراد
 New Patients Treated per Month. - - - - - المرضى المستجدون الذين عولجوا شهرياً

1 APR 1935
S. GO. M.

BUREAU OF
LIE
2 APR 1935
TROPICAL DISEASES

2